

GNOME: Beyond the traditional desktop

or how GNOME can help those building Linux-based mobile platforms

- **Preamble about me, Igalia and GNOME**
- GNOME history and key features
- GNOME now
- What's coming for GNOME
- Conclusions, references and demos

Co-founder (2001)

Software engineer, but I do a bit of everything :)

Open source consultancy & development
(~45 employees)

Headquarters in Galiza (Spain)
but developers all over the world

- Specialized hackers:
 - Areas: browsers, compilers, graphics, a11y, OS, multimedia
 - Technologies: WebKit, GNOME, Freedesktop.org Gstreamer, Qt, Linux-based platforms
- Maintainers of and contributors to upstream modules
- Services: consultancy, development, training,...

- Very involved in upstream GNOME
- Maintainers of:
 - WebKitGTK+
 - Web browser (Epiphany)
 - GNOME accessibility support and apps
- Contributors to many other modules/apps
- GNOME Foundation's advisory board members

GNOME is healthier than ever

GNOME is one of the key projects
for the success of Linux and open source in mobile

This talk is about:

Personal (and Igalia's) opinions and visions

What we and others in the GNOME community
are working on/towards

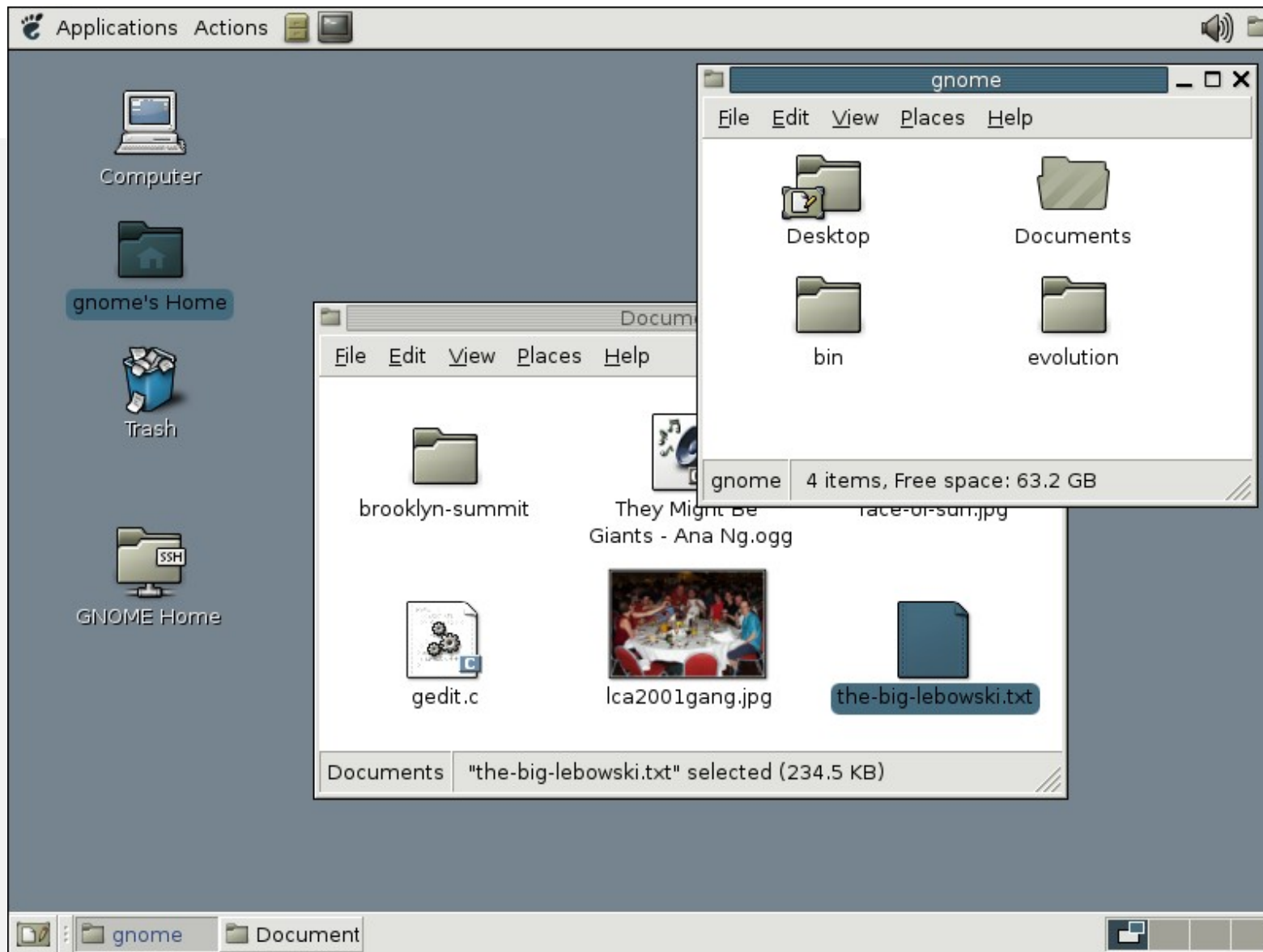
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- 3 parts:
 - Desktop environment (now also mobile)
 - Core apps
 - Development platform (technologies, building blocks)
- Licenses: GPL + LGPL
- Community: actors + dynamics









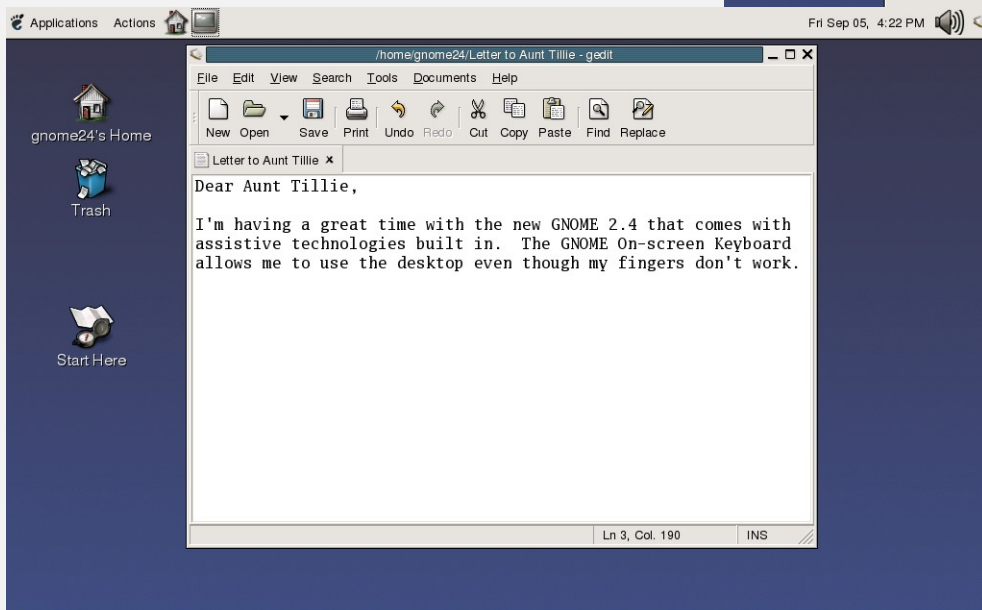
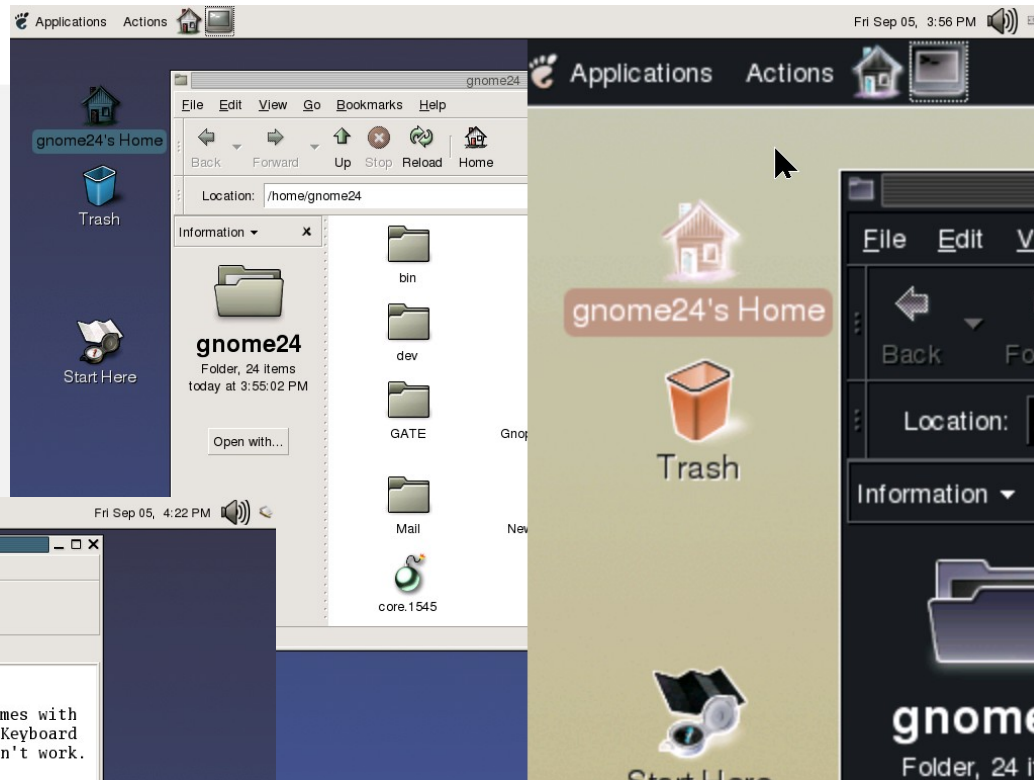
GNOME 2.x (2002-2010)

Simplicity



GNOME 2.x (2002-2010)

Internationalization



back	New	Open	Save
Print	Undo	Redo	Cut
Copy	Paste	Find	Replace

GNOME 2.x (2002-2010)

Usability and accessibility



Computer



Home



Garbage bin

Butterfly

Search Link Text Tools Delete

Butterfly

Kingdom: Animalia
Phylum: Arthropoda
Class: Insecta
Order: Lepidoptera
(unranked) R...

- Superfamily
 - [Hedyli](#)
- Superfamily
 - [Hesper](#)
- Superfamily
 - [Papilion](#)
 - [Pieridae](#)

Hedyliidae


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Skippers differ in several important ways from the remaining butterflies, which are classified in the superfamily [Papilionoidea](#) and the neotropical superfamily Hedyloidea. Collectively, these three groups of butterflies share several characteristics especially in the egg, larval and pupal stage (Ackery et al. 1999). However, skippers have the antennae clubs hooked backward like a crochet, whilst butterflies have club-like tips to their antennae and hedyliids have feathered or pectinate antennae giving them an even more "moth"-like appearance than skippers. Skippers also have generally stockier bodies than the other two groups, with stronger wing muscles. Hesperoidea is very likely the sister group of [Papilionoidea](#), and together with Hedyloidea constitute a natural group or clade.

0724-094430.jpg

File Edit View Image Go Help

Previous Next In Out Normal Fit



720 x 480 pixels 68.9 KB 61% 3 / 37

GNOME 2.x (2002-2010)

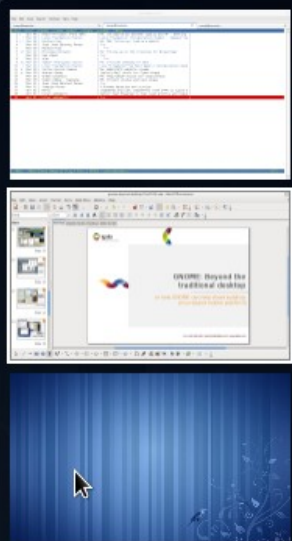
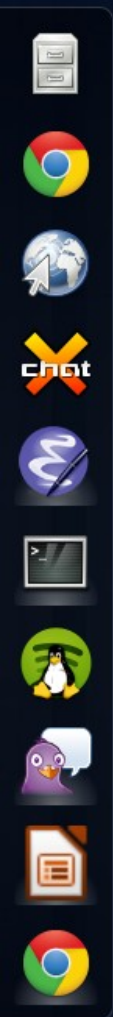
An Emacs window with a light grey title bar and menu bar. The main text area contains a document with various sections, including "How Emacs compares to you as a desktop OS", "Why Emacs is a desktop OS", and "How Emacs compares to you as a desktop OS". The text is in a monospaced font, and the background is white. The status bar at the bottom shows "gt.d.org - emacs@memole".

gt.d.org - emacs@memole

A LibreOffice Impress presentation window with a light grey title bar and menu bar. The main slide is white with the Galio logo at the top left. The text on the slide reads "GNOME: Beyond the traditional desktop" and "or how GNOME can help those building Linux-based mobile platforms". The status bar at the bottom shows "gnome_beyond_desktop_lfcs2012.odp - LibreOffice Impress".

gnome_beyond_desktop_lfcs2012.odp - LibreOffice Impress

GNOME 3.x (2011-present)



- Beauty outside:
 - Modern UX for everybody:
simple, usable, accessible, internationalized
- Beauty inside:
 - Powerful and complete set of core technologies
- Genuine open source dynamics:
 - Freedom, open development, no single entity controlling
 - GNOME Foundation: level playing field
- 15 years producing software

- Preamble about me, Igalia and GNOME
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- New focus: awesome new UX
- Designers taking a leading role
- New shell with new/renewed apps
- Still work in progress but looking very good

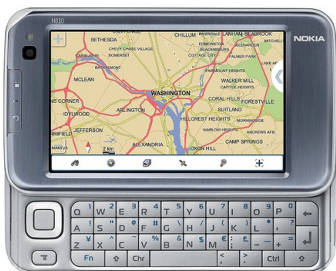
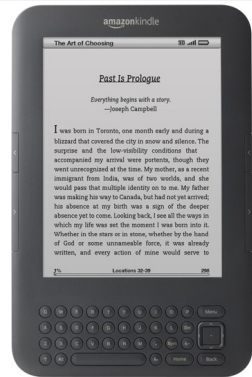


Even Linus Torvalds says it is looking better ;-)

- Widely used:
 - Millions of users
 - Several distros using GNOME as reference desktop
 - Well known massive deployments
- But:
 - Linux always marginal in the desktop
 - Traditional desktop not relevant anymore

Mobile is the present and future

GNOME tech widely used as building blocks for mobile platforms since 2005



- Several GNOME technologies used in mobile:
GTK+, WebKitGTK+, Clutter, Dbus, Gstreamer, Glib,...
- Building blocks inside:
Maemo, MeeGo, Tizen, Moblin, ALP, LiMo, Ubuntu,...
- Some issues:
 - Different levels of upstream involvement
 - Forks, replicated work, not-contributed new features
 - GNOME not always taking full advantage of those users

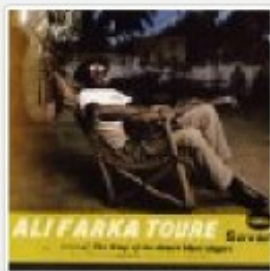
Bad both for the project and the users

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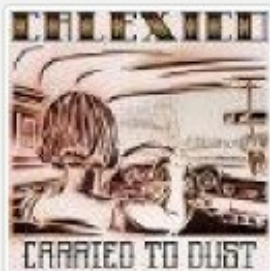
- More GNOME 3.x
- GNOME targeting mobile form factors
- GNOME as an OS/distro

- More polished and mature shell and UX: settings, transfers, backup/syncing
- Lots of new/renewed core apps: web, docs, music, videos, chat
- Web integration: chrome/mozilla apps/API support, integration with web services
- Development platform / SDK (JavaScript/HTML5)

Artists Albums Songs Playlists



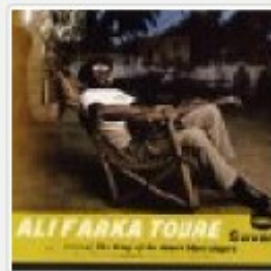
Savane
Ali Farka Toure



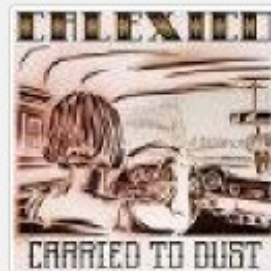
Carried to Dust
Calexico



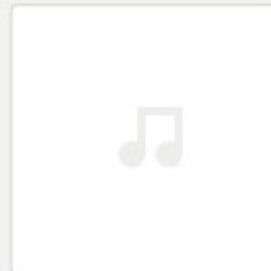
Every Day
The Cinematic Orchestra



Savane
Ali Farka Toure



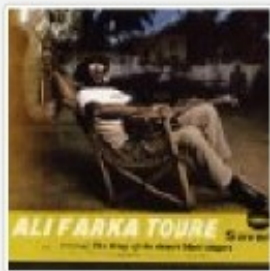
Carried to Dust
Calexico



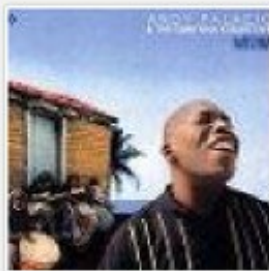
Unknown Album
Unknown Artist



Savane
Ali Farka Toure



Carried to Dust
Calexico



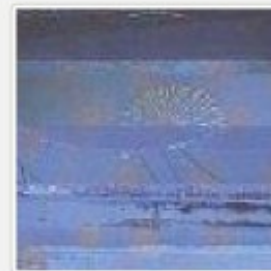
Every Day
The Cinematic Orchestra



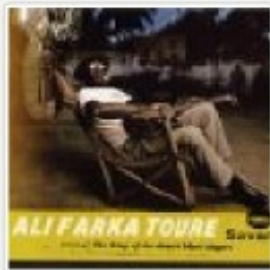
Savane
Ali Farka Toure



Carried to Dust
Calexico



13 Songs
Fugazi



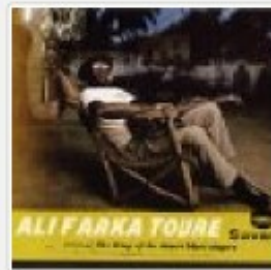
Savane
Ali Farka Toure



Carried to Dust
Calexico



Every Day
The Cinematic Orchestra



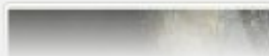
Savane
Ali Farka Toure



Carried to Dust
Calexico



13 Songs
Fugazi



New



gaming

youtube



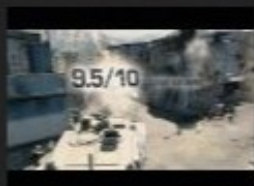
Adam Jensen
Walks into a Bar



40mm Machinegun
4:36



Torchlight Editor
4:36



Bad Company 2
4:36



Rasomaso
4:36



102:4 BC2
4:36

- Source
- All
- Local
- Synology CS407e
- Google
- YouTube
- Vimeo



Playstation Move
4:36

Gimmie Your Sandwich,
Milosh

Albums

Photos

Places

People



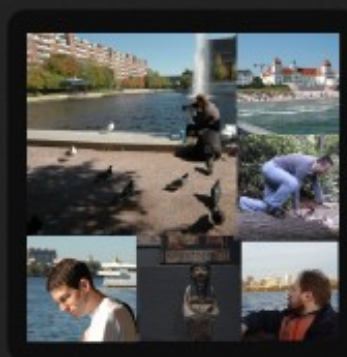
Samsung Galaxy S
16 Photos



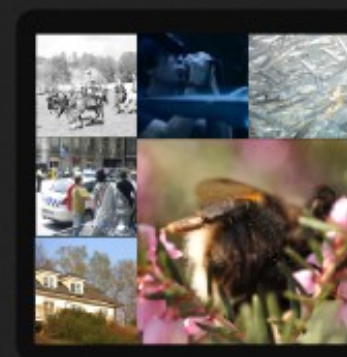
Panasonic GF1
239 Photos



Barcelona
349 Photos



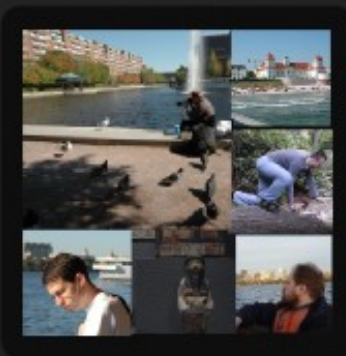
Boston Summit
349 Photos



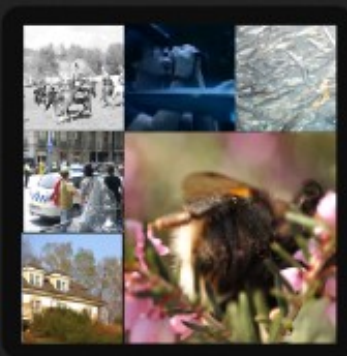
Autumn
349 Photos



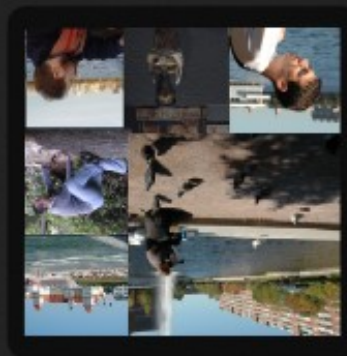
Desktop Summer
349 Photos



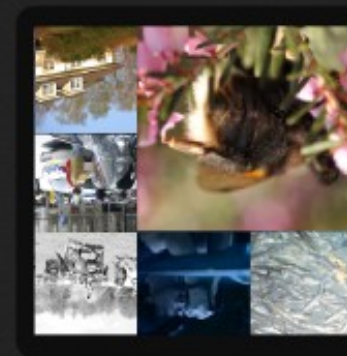
Sevilla
349 Photos



New Zealand
349 Photos



Maderia
349 Photos



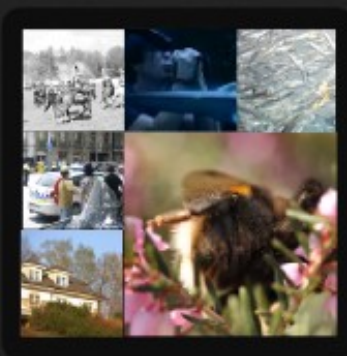
Berlin
349 Photos



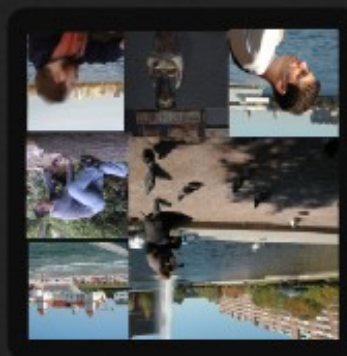
Prague



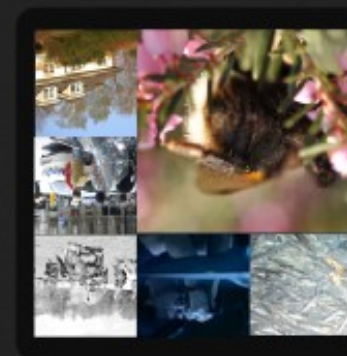
Westford Office



London Laughs



Autumn in Helsinki



Battlefield LAN

Cancel

1 selected

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<input type="checkbox"/>		Trademark usage	PDF	Local		3:02 PM
<input type="checkbox"/>		Shell Yes!	Presentation	Google	Shared with All	Yesterday
<input type="checkbox"/>		Copyright Infringement	Text Document	Google	Shared with Joe Doe	Yesterday
<input type="checkbox"/>		Dear Mickey	Text Document	Google		Yesterday
<input type="checkbox"/>		Tango FTW Guadec 2010	Text Document	Google		Yesterday
<input type="checkbox"/>		Project Damage	Text Document	Google	Shared with All	2 days ago
<input type="checkbox"/>		Filetype Icon is really a severe and rare exception	Spreadsheet	Google		3 days ago
<input type="checkbox"/>		Table for Layout	Text Document	Google		Last week
<input type="checkbox"/>		Less Battlefield	Text Document	Google		Last week
<input type="checkbox"/>		Census Brief	PDF	Local		Last week
<input type="checkbox"/>		Foobar	Text Document	Google		Last week
<input type="checkbox"/>		Another document	Text Document	Google		Last month
<input type="checkbox"/>		Concrete and Sound insulation	PDF	Local		Last month
<input type="checkbox"/>		Another document	Text Document	Google		Last month
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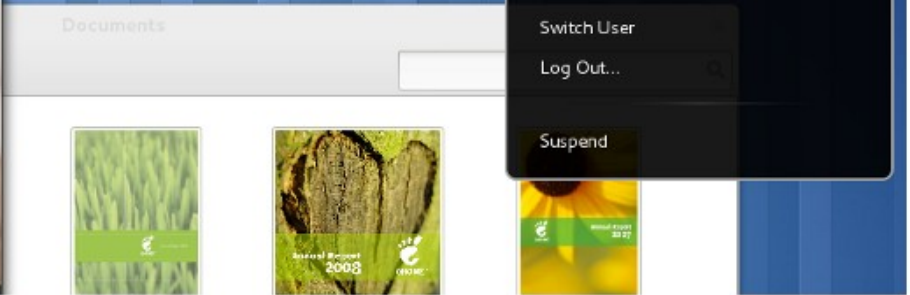
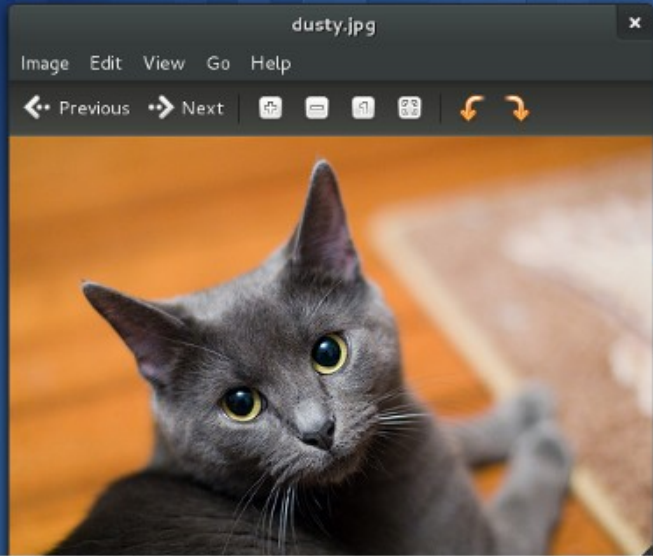


2 / 37



Text Document Google

- New Window
- Bookmarks
- History
- Preferences
- Personal Data
- Help
- About
- Quit



Rupert
Available

Notifications ON

Online Accounts

System Settings

Lock Screen

Switch User

Log Out...

Suspend

Get things done with ease, comfort and control.

- Not everybody happy with iOS, Android and friends
- There is room for a truly open, standard, Linux-based, upstream platform, alternative to iOS/Android/...
- The projects starting from scratch are not delivering: not easy to create a productive, sane community
- GNOME naturally evolving into that

- Work in progress:
 - Touch (e.g. kinetic scrolling) and multitouch
 - Apps and UX adapted to touch and different screen sizes
 - New input methods
 - Porting/optimizing to/for target hardware
 - ...

- GNOME as an attractive platform
- Relevance beyond the traditional desktop
- GNOME as a project in control of the delivered UX

- The building block is now the whole platform
- No need to fork => improve things upstream
- Better/easier interaction with upstream

GNOME is:

- A genuine open source project: level playing field
- Delivering quality software since 1999
- Ready for the present and future

**There is a plan, and enough momentum for becoming
key player in open source in mobile**

Demos

Join us upstream, follow GNOME, invest on it, use it



www.gnome.org

planet.gnome.org

GUADEC (GNOME Conference), July 2012

www.guadec.org

*GNOME consultancies can help companies reduce the gap
and participate in the community in an optimal way*



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